

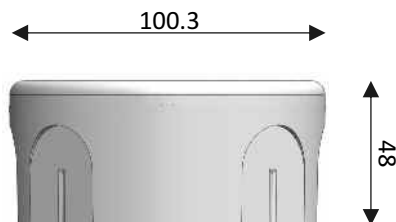
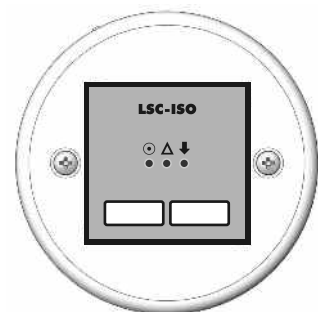
## MECHANICAL SPECIFICATION

### Enclosure Construction Material

White ABS  
Flame Retardant rating 94V0

### Weight

module - 19 g  
boxed - 110 g  
Including packaging - 142 g



All dimensions in mm

## TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	Loop Powered - 17V to 30V DC
LOOP CURRENT - QUIESCENT	0.6 mA
LOOP CURRENT - FAULT & ALARM	1.9 OC/SC FLT - 1.7mA O/P ON
EXT. SUPPLY CURRENT @ 24V DC	1.2 mA Quiescent / 1 Amp max. for sounders
MAX. CABLE SIZE	2.5 mm <sup>2</sup>
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	-10°C to 50°C
DIMENSIONS	100.3 (D) x 48 (H) mm
WEIGHT	142 g inc. packaging
ORDER CODE	DESCRIPTION
LSC-ISO	Loop Sounder Control Module

# LSC-ISO

## Loop Sounder Control Module (with 1Amp monitored output)

The LSC-ISO Module is a fully monitored interface which is used to connect a line of conventional sounders to the Global Fire Addressable control panel via the detection loop.

The module requires an external 24V DC power supply and can supply up to 1A at the sounder output which is monitored for both open and short circuit faults. A 10K ohm end of line resistor is connected to the last sounder to provide line monitoring.

The LSC-ISO uses the Global Fire proprietary sounder control protocol and therefore is only compatible with the GFE range of control panels.

The output can be programmed as pulsed or continuous. A maximum of 32 LSC-ISO can be connected to each Loop using address numbers 94-125 inclusive.

The unit is supplied complete with housing. Address setting is via switches 1 to 5 of the 8 - way D.I.L. switch where all OFF represents address 94.

## FEATURES

Fast Activation Response

Three Status LEDs

Low Power Consumption

Plastic Enclosure




## GLOBAL FIRE EQUIPMENT S.A.

Sítio dos Barrabés, Armazém Nave Y, Caixa Postal 908-Z, 8150-016 São Brás de Alportel - PORTUGAL  
Tel: +351 289 896 560 • Sales: sales@globalfire.pt • Technical Support: techs@globalfire.pt • www.globalfire.pt

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CE Made in Portugal-EU


## REPORTING DETAILS



In order to indicate the status of the module's working condition, three LEDs are provided:

- STATUS:** This LED will flash Green, every time the address associated with the module is polled by the addressable panel.
- FAULT:** This Yellow LED will be illuminated continuously whenever there is a FAULT condition present at the sounder terminals (open or short circuit) or faulty external supply (low value or removal).
- OUTPUT:** The Red LED provided will be lit when onboard conventional sounder circuit is active.

## D.I.L. SWITCHES CONFIGURATION



**Switches 1-5**  
used to configure the module's address.

**Switch 6**  
Not used

**Address Switches binary weights**

1 on = 1	4 on = 8
2 on = 2	5 on = 16
3 on = 4	

10K Ohm - End of Line Resistor

e.o.L.

+

-

SNDR

+

-

SNDR

Ext. Supply  
24 V DC  
for  
SOUNDERS

Address Setting  
D.I.L. Switch

LOOP IN

LOOP OUT

Ext. Supply  
24 V DC  
for  
SOUNDERS

**NOTE:** Maximum 1 Amp current drive for conventional sounders per module.  
*Only use polarized 24V DC sounders*

**ADDRESS SETTINGS**

The diagram illustrates the address settings for LSC-ISO. It shows a grid of 24 address ranges, from 94 to 125. Each range is represented by a 4x8 grid of switches. The first row of switches (addresses 94-101) shows a specific configuration where the first switch of each 8-switch group is set to '1' and the others are '0'. The subsequent rows (addresses 102-125) show all switches set to '0'. Below each 4x8 grid is a label for the address range.

94	95	96	97	98	99	100	101
102	103	104	105	106	107	108	109
110	111	112	113	114	115	116	117
118	119	120	121	122	123	124	125

**NOTE:** LSC-ISO address will be offset by a value of 94 with respect to the value programmed on the D.I.L. switch.